

Title (en)
INTRALUMINAL PHYSIOLOGY SENSING DEVICE WITH EMBEDDED CONFORMAL CONDUCTORS

Title (de)
INTRALUMINALE PHYSIOLOGIEMESSVORRICHTUNG MIT EINGEBETTETEN KONFORMEN LEITERN

Title (fr)
DISPOSITIF DE DÉTECTION PHYSIOLOGIQUE INTRALUMINAL AVEC CONDUCTEURS ENROBANT INTÉGRÉS

Publication
EP 4181771 A1 20230524 (EN)

Application
EP 21749542 A 20210714

Priority

- US 202063051927 P 20200715
- EP 2021069545 W 20210714

Abstract (en)
[origin: WO2022013266A1] An intraluminal sensing device includes a guidewire configured to be positioned within a body lumen of a patient. The guidewire includes a core wire, a first insulative coating covering at least a portion of a circumference of the core wire, and at least two conductive traces insulated from one another and extending longitudinally along at least the portion of the length of the core wire over an outer surface of the first insulative coating. Each conductive trace conforms to the curvature of the first insulative coating. The guidewire also includes a second insulative coating covering the conductive traces along at least the portion of the length of the core wire, and a sensor in electrical communication with the at least two conductive traces and configured to obtain physiological data while positioned within the body lumen. The guidewire also includes a proximal connector in electrical communication with the conductive traces.

IPC 8 full level
A61B 5/00 (2006.01); **A61B 5/0215** (2006.01); **A61B 5/026** (2006.01); **A61M 25/00** (2006.01)

CPC (source: EP US)
A61B 5/0215 (2013.01 - EP US); **A61B 5/026** (2013.01 - EP US); **A61B 5/6851** (2013.01 - EP US); **A61B 5/742** (2013.01 - US); **A61B 5/7425** (2013.01 - EP); **A61B 2562/0247** (2013.01 - US); **A61B 2562/12** (2013.01 - EP US); **A61B 2562/182** (2013.01 - US); **A61B 2562/227** (2013.01 - US); **A61M 25/09** (2013.01 - US); **A61M 2025/09083** (2013.01 - EP)

Citation (search report)
See references of WO 2022013266A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 2021069545 W 20210714; CN 202180061132 A 20210714; EP 21749542 A 20210714; JP 2023502781 A 20210714; US 202118015620 A 20210714